

# SAFETY DATA SHEET

## According to Regulation 1907/2006/CE

Doc. N° 4211901 rev.1  
Date of issue: 07/11/2014

---

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : **Rosolic acid**  
Product Number : 4211901  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.  
CAS-No. : 603-45-2

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, reagent for microbiology

#### 1.3 Details of the supplier of the safety data sheet

Company : Biolife Italiana S.r.l.  
Viale Monza 272, 20128 Milano Italia  
Tel : 0039 02 252091  
Fax: 0039 02 2576428  
E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it)

#### 1.4 Emergency telephone number

Emergency Phone : 0039 02-6610-1029 (Centro Antiveneni Niguarda)

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315  
Eye irritation (Category 2), H319  
Specific target organ toxicity - single exposure (Category 3), H335  
For the full text of the H-Statements mentioned in this Section, see Section 16.

##### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi Irritant R36/37/38  
For the full text of the R-phrases mentioned in this Section, see Section 16.

#### 2.2 Label elements

##### Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Warning

Hazard statement(s)

H315

Causes skin irritation.

H319

Causes serious eye irritation.

**Biolife** Italiana S.r.l., Viale Monza 272, 20128 Milan, Italy. Tel. n° ++39 02 25209.1, Fax n° ++39 02 2576428  
E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it); Web Site: [www.biolifeitaliana.it](http://www.biolifeitaliana.it)

H335 May cause respiratory irritation.

Precautionary statement(s)

P261

P305 + P351 + P338

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

none

**2.3 Other hazards – none**

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Synonyms : 4-[Bis(4-hydroxyphenyl)methylene]- 2,5-cyclohexadienone  
 Aurin  
 Formula : C<sub>19</sub>H<sub>14</sub>O<sub>3</sub>  
 Molecular Weight : 290,31 g/mol  
 CAS-No. : 603-45-2  
 EC-No. : 210-041-8

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Componente	Classificazione	Concentrazione
<b>4-[Bis(p-hydroxyphenyl)methylene]cyclohexa-2,5-dien-1-one</b>		
CAS-No 603-45-2	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335	<= 100 %
EC-No 210-041-8		

**Hazardous ingredients according to Directive 1999/45/EC**

Component	Classification	Concentration
<b>4-[Bis(p-hydroxyphenyl)methylene]cyclohexa-2,5-dien-1-one</b>		
CAS-No 603-45-2	Xi, R36/37/38	<= 100 %
EC-No 210-041-8		

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available



---

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides

### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **5.4 Further information**

no data available

---

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

---

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### **7.3 Specific end use(s)**

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

---

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Components with workplace control parameters**

It doesn't contain substances with occupational exposure limit value.

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal protective equipment**

**Eye/face protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection**

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Do not let product enter drains.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

a) Appearance	red powder
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: noctanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

**9.2 Other safety information** no data available

---

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** no data available

**10.2 Chemical stability** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions** no data available

**10.4 Conditions to avoid** no data available

**10.5 Incompatible materials** Strong oxidizing agents

**10.6 Hazardous decomposition products** Other decomposition products - no data available  
In the event of fire: see section 5

---

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity** no data available

**Skin corrosion/irritation** no data available

**Serious eye damage/eye irritation** no data available

**Respiratory or skin sensitisation** no data available

**Germ cell mutagenicity** no data available

**Carcinogenicity** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity** no data available

**Specific target organ toxicity - single exposure** Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure** no data available

**Aspiration hazard** no data available

**Additional Information** RTECS: Not available  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

---

**SECTION 12: Ecological information**

**12.1 Toxicity** no data available

**12.2 Persistence and degradability** no data available

**12.3 Bioaccumulative potential** no data available

**12.4 Mobility in soil** no data available

**12.5 Results of PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects** no data available

---

**SECTION 14: Transport information**

**14.1 UN number** ADR/RID: - IMDG: - IATA: -

**14.2 UN proper shipping name** ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods

	IATA: Not dangerous goods
<b>14.3 Transport hazard class(es)</b>	ADR/RID: - IMDG: - IATA: -
<b>14.4 Packaging group</b>	ADR/RID: - IMDG: - IATA: -
<b>14.5 Environmental hazards</b>	ADR/RID: no IMDG Marine pollutant: no IATA: no
<b>14.6 Special precautions for user</b>	no data available

---

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	no data available
<b>15.2 Chemical Safety Assessment</b>	For this product a chemical safety assessment was not carried out

---

**SECTION 16: Other information****Full text of H-Statements referred to under sections 2 and 3.**

Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

**Full text of R-phrases referred to under sections 2 and 3**

Xi	Irritant
R36/37/38	Irritating to eyes, respiratory system and skin.

**Further information**

<b>Restrictions for use</b>	No data available
<b>Training advice</b>	No data available
<b>References</b>	No data available

The information in this MSDS was obtained from current and reliable sources. Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation. Biolife Italiana S.r.l. does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.